

**METHODS AND APPARATUS FOR SNAPSHOT-BASED
EQUALIZATION OF A COMMUNICATIONS CHANNEL**

Abstract of the Disclosure

5 Equalization techniques for compensating distortion associated with a communications channel are provided. In one aspect of the invention, a method/apparatus for equalizing an input signal received from a communications channel includes the following steps/operations. At least one sampling is generated from the received input signal based on a clock signal unrelated to a clock signal used to recover data associated with the received input signal. Distortion associated with the 10 communications channel is then compensated for based on at least a portion of the at least one generated sampling.